

Notice of Allowability

Application No.

10/715,688

Examiner

Brian P. Johnson

Applicant(s)

SANDON ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS:** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an action mailed on 20 June 2007.
2. ☒ The allowed claim(s) is/are 1, 4-7, 11-14, 16-19, and 21-23, renumbered as 1-16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Allowable Subject Matter

1. Claims 1, 4-7, 11-14, 16-19, and 21-23, renumbered as 1-16 are allowed.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jack Friedman.

3. Please AMEND original claim 11 as follows:

“A method, comprising:

providing a processor;

providing M independent vector register files within the processor[[,]];

~~said M vector register files collectively~~ storing a matrix of L data elements in the M vector register files, each data element having B binary bits, . . .”

4. Also AMEND original claim 11 in the second large paragraph:

~~“respectively coupling~~ wherein M multiplexers are coupled to the M vector register files such that each of the M multiplexors has a different value, . . .”

5. Please AMEND original claim 13 as follows:

~~The method of claim 11, wherein the method further comprises providing M multiplexors respectively coupled to the M vector register files, wherein each multiplexor of the M multiplexors comprises a set of binary switches subject to each binary switch being on or off and respectively represented by a binary bit 1 or 0 such that the value of the multiplexor consists of the composite value of said binary bits, and wherein if the matrix is stored in the M vector register files then:~~

wherein the M multiplexors are adapted to respond to a command to read a row of the matrix by mapping the data elements of the row from the M vector register files to the row of the matrix in accordance with a read-row mapping algorithm; and

wherein the M multiplexors are adapted to respond to a command to read a subcolumn of the matrix by reading the data elements of the subcolumn from the M vector register files to the subcolumn of the matrix in accordance with a read-subcolumn mapping algorithm.

6. Please AMEND original claim 14 as follows:

The method of claim 11,

~~wherein the method further comprises providing M multiplexors respectively coupled to the M vector register files;~~

~~Wherein each multiplexor of the M multiplexors comprises a set of binary switches subject to each binary switch being on or off and respectively represented by a binary bit 1 or 0 such that the value of the multiplexor consists of the composite value of said binary bits;~~

Wherein the M multiplexors are adapted to respond . . .

7. Please CANCEL claims 26-32.

Conclusion

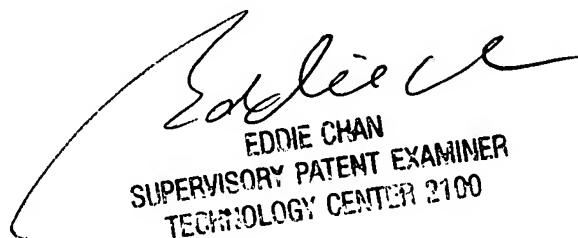
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian P. Johnson whose telephone number is (571) 272-2678. The examiner can normally be reached on 8-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Chan can be reached on (571) 272-4162. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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